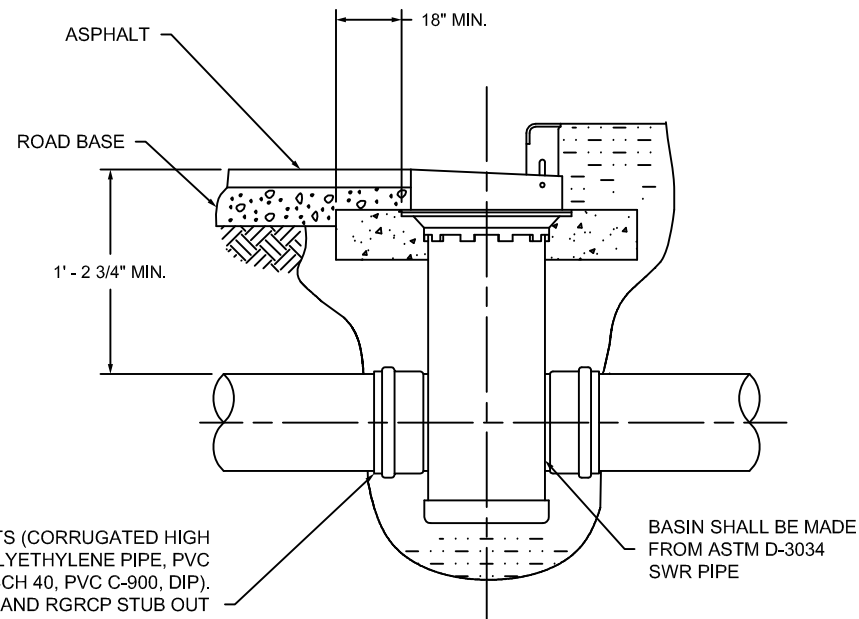
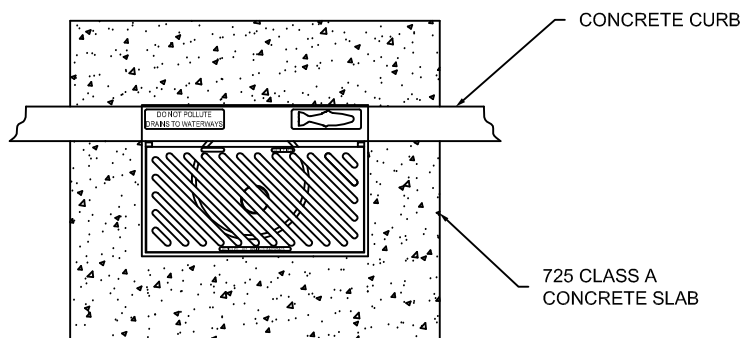


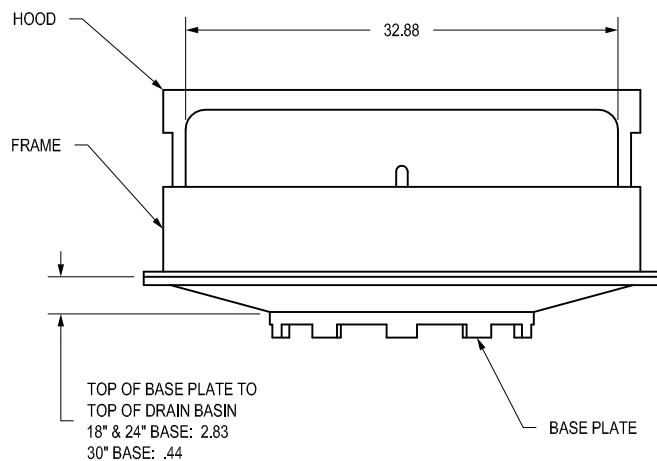
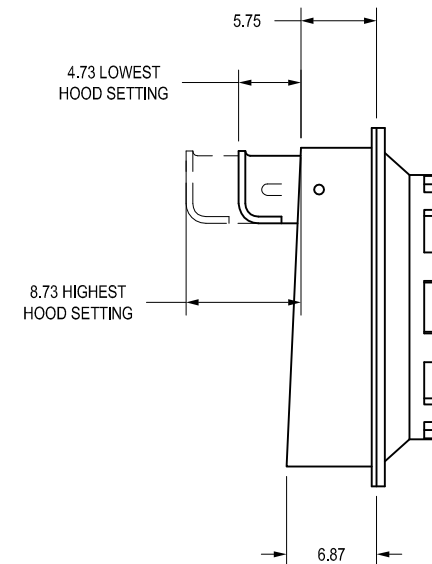
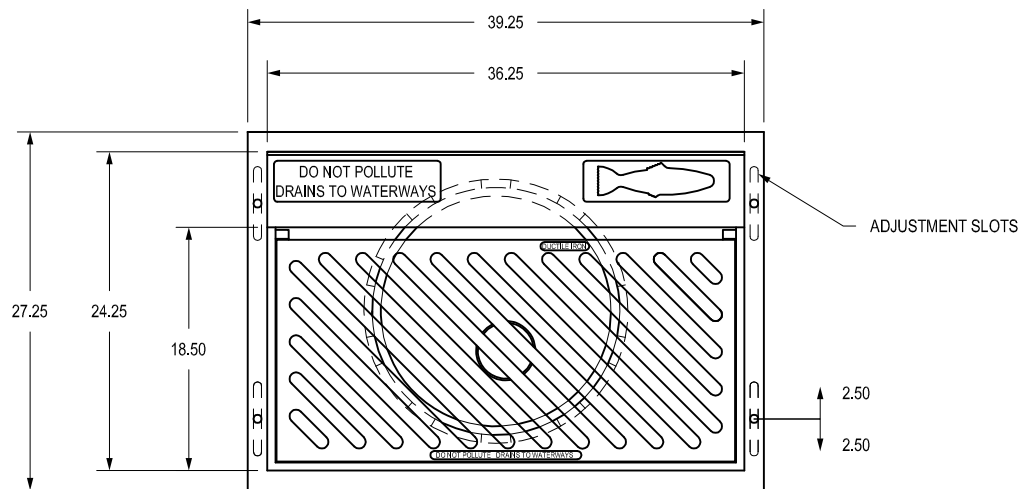
SPECIFIED JOINTS (CORRUGATED HIGH DENSITY POLYETHYLENE PIPE, PVC SDR-35, PVC SCH 40, PVC C-900, DIP). FOR CMP AND RGRCP STUB OUT A TWO FOOT PIPE MATERIAL SPECIFIED ABOVE AND CONNECT THEM TOGETHER WITH A CONCRETE COLLAR PER DETAIL 505.

BACKFILL MATERIAL SHALL BE 701.2.1. BACKFILL MATERIAL SHALL BE PLACED UNIFORMLY IN 8" LIFTS AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY, OR 1/2 SACK CLSM PER 728.

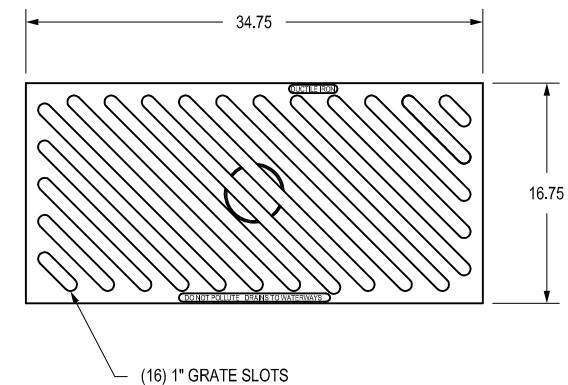


### TOP VIEW



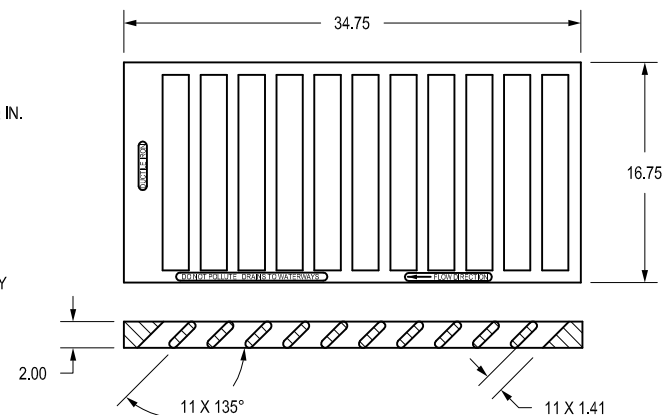


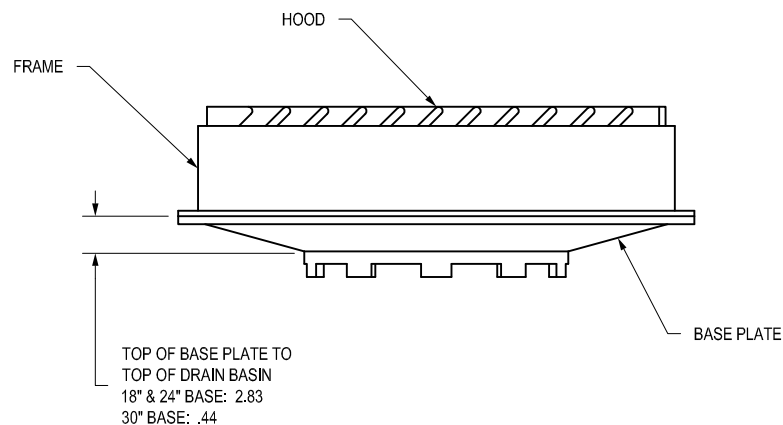
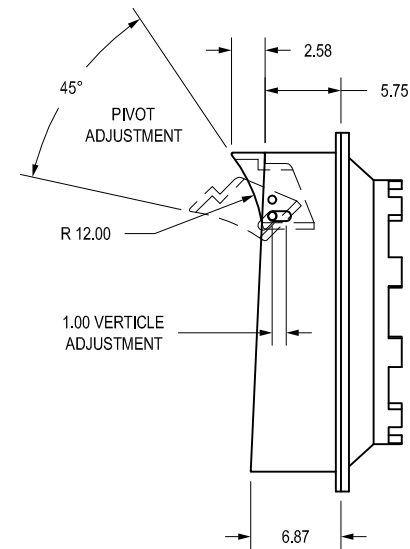
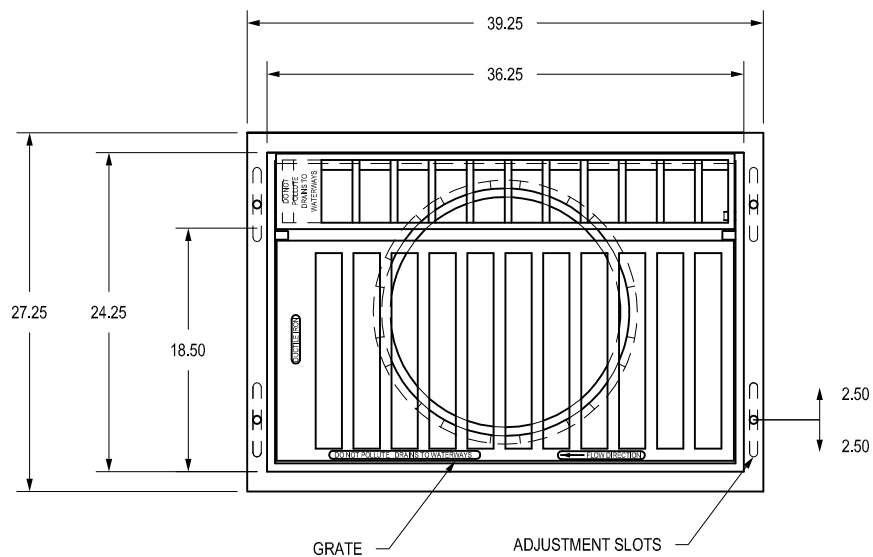
APPROX. DRAIN AREA OF DIAGONAL GRATE = 232.87 SQ IN.  
 APPROX. DRAIN AREA OF DIAGONAL GRATE & HOOD  
 LOWEST SETTING = 369.54 SQ IN  
 LOWEST + 1" SETTING = 402.41 SQ IN  
 LOWEST + 2" SETTING = 435.29 SQ IN  
 LOWEST + 3" SETTING = 468.16 SQ IN  
 HIGHEST SETTING = 501.044 SQ IN  
 APPROX. WEIGHT OF GRATE = 112.5 LBS.  
 APPROX. WEIGHT OF GRATE, FRAME & HOOD ASSEMBLY  
 W/ 18" BASE = 477.5 LBS.  
 W/ 24" BASE = 466.0 LBS.  
 W/ 30" BASE = 436.5 LBS.



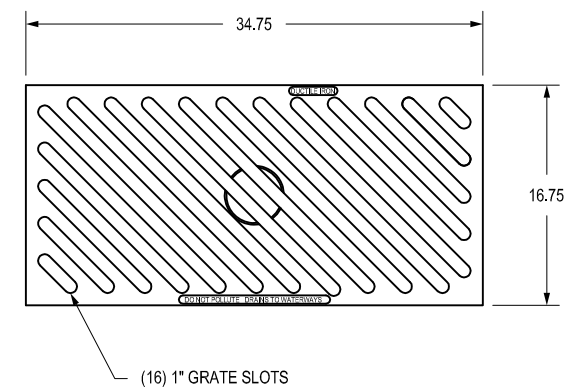
MATERIAL: DUCTILE IRON GRATE MEETING H-20 LOAD  
 RATING & CONFORMING TO ASTM A536 GRADE 70-50-05  
 ALL CASTINGS ARE FURNISHED WITH  
 BLACK PAINT AND ZINC PLATED FASTENERS  
 SLOPE OF GRATE SURFACE IS 5.2%  
 CURB INLET FRAME INSIDE VOLUME IS APPROX 2.73 CU FT

APPROX. DRAIN AREA OF DIAGONAL GRATE = 327.25 SQ IN.  
 APPROX. DRAIN AREA OF DIAGONAL GRATE & HOOD  
 LOWEST SETTING = 463.92 SQ IN  
 LOWEST + 1" SETTING = 496.79 SQ IN  
 LOWEST + 2" SETTING = 529.67 SQ IN  
 LOWEST + 3" SETTING = 562.54 SQ IN  
 HIGHEST SETTING = 595.42 SQ IN  
 APPROX. WEIGHT OF GRATE = 123.0 LBS.  
 APPROX. WEIGHT OF GRATE, FRAME & HOOD ASSEMBLY  
 W/ 18" BASE = 488.0 LBS.  
 W/ 24" BASE = 476.5 LBS.  
 W/ 30" BASE = 447.0 LBS.



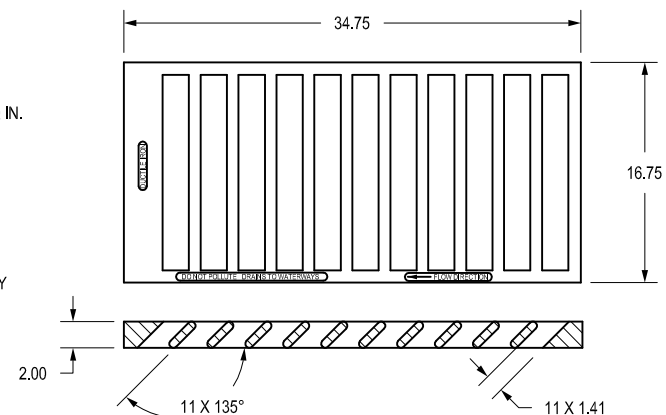


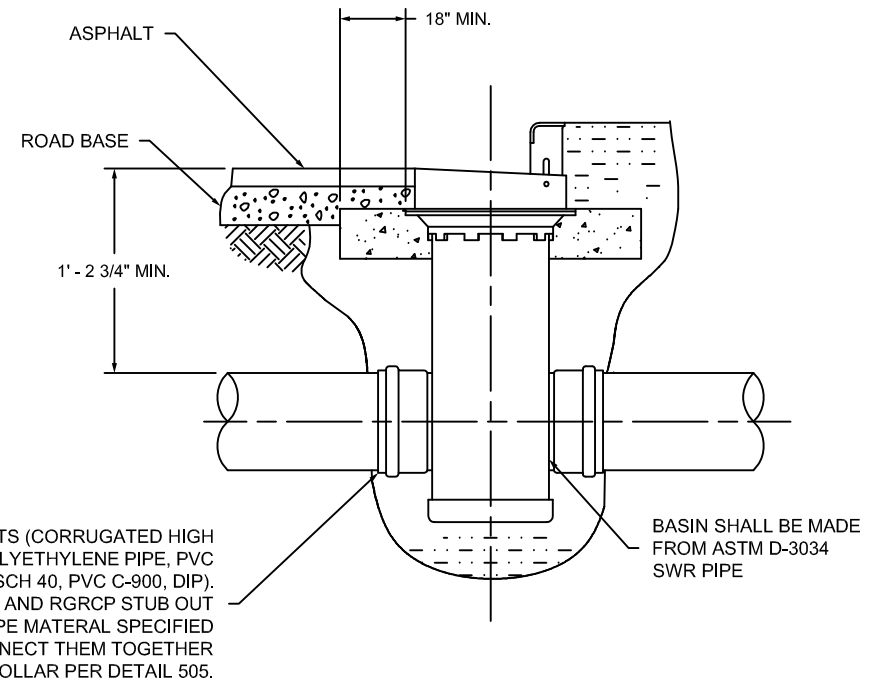
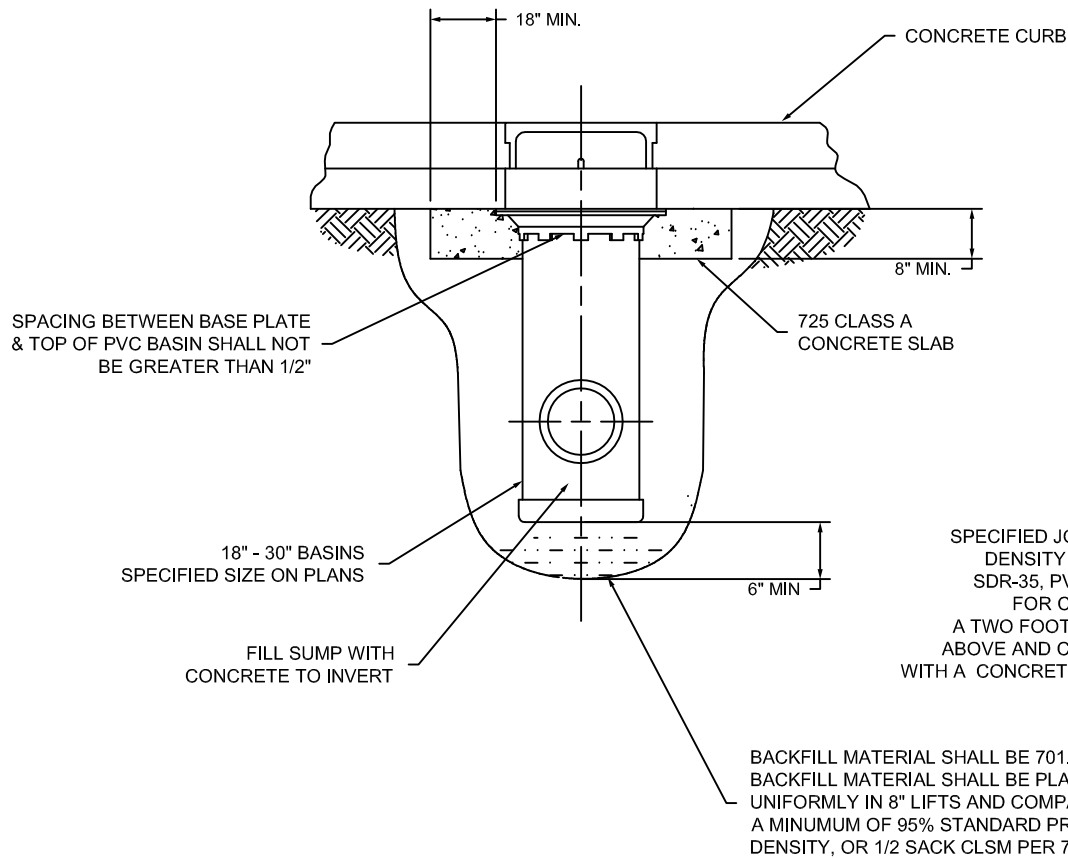
APPROX. DRAIN AREA OF DIAGONAL GRATE = 232.87 SQ IN.  
 APPROX. DRAIN AREA OF DIAGONAL GRATE & HOOD  
 LOWEST SETTING = 369.54 SQ IN  
 LOWEST + 1" SETTING = 402.41 SQ IN  
 LOWEST + 2" SETTING = 435.29 SQ IN  
 LOWEST + 3" SETTING = 468.16 SQ IN  
 HIGHEST SETTING = 501.044 SQ IN  
 APPROX. WEIGHT OF GRATE = 112.5 LBS.  
 APPROX. WEIGHT OF GRATE, FRAME & HOOD ASSEMBLY  
 W/ 18" BASE = 477.5 LBS.  
 W/ 24" BASE = 466.0 LBS.  
 W/ 30" BASE = 436.5 LBS.



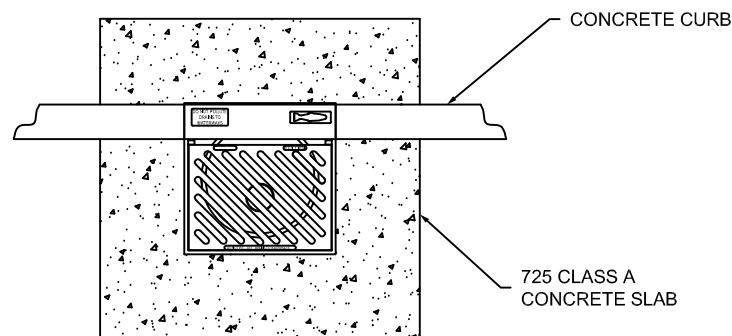
MATERIAL: DUCTILE IRON GRATE MEETING H-20 LOAD  
 RATING & CONFORMING TO ASTM A536 GRADE 70-50-05  
 ALL CASTINGS ARE FURNISHED WITH  
 BLACK PAINT AND ZINC PLATED FASTENERS  
 SLOPE OF GRATE SURFACE IS 5.2%  
 CURB INLET FRAME INSIDE VOLUME IS APPROX 2.73 CU FT

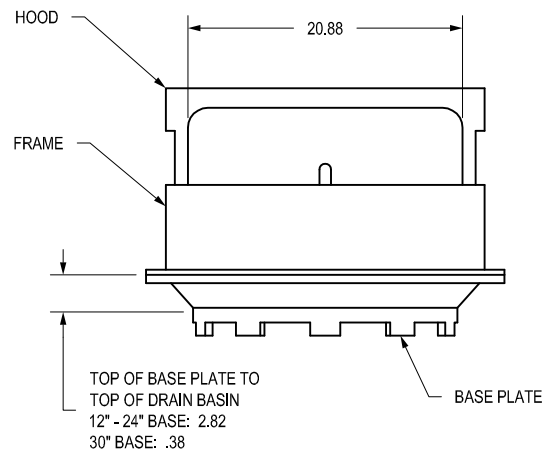
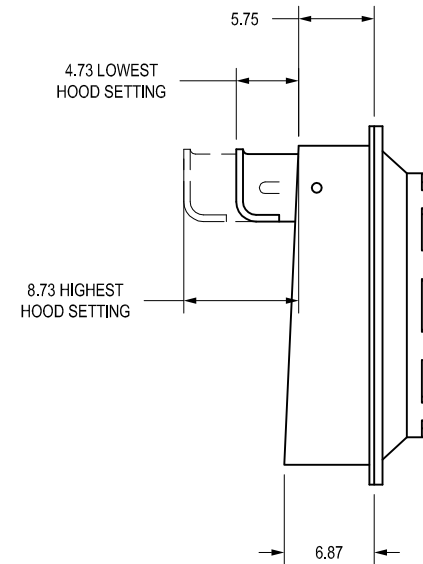
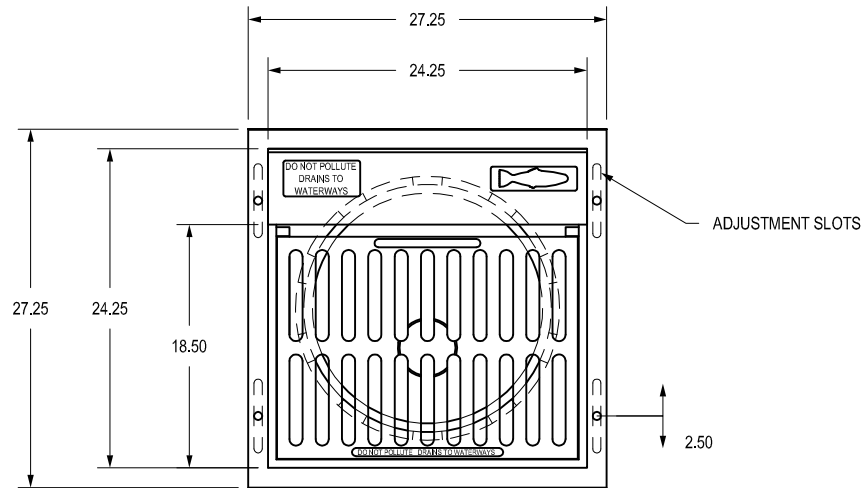
APPROX. DRAIN AREA OF DIAGONAL GRATE = 327.25 SQ IN.  
 APPROX. DRAIN AREA OF DIAGONAL GRATE & HOOD  
 LOWEST SETTING = 463.92 SQ IN  
 LOWEST + 1" SETTING = 496.79 SQ IN  
 LOWEST + 2" SETTING = 529.67 SQ IN  
 LOWEST + 3" SETTING = 562.54 SQ IN  
 HIGHEST SETTING = 595.42 SQ IN  
 APPROX. WEIGHT OF GRATE = 123.0 LBS.  
 APPROX. WEIGHT OF GRATE, FRAME & HOOD ASSEMBLY  
 W/ 18" BASE = 488.0 LBS.  
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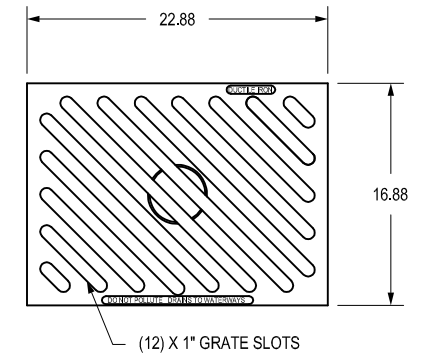
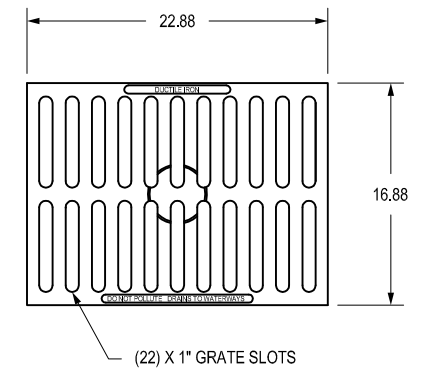
### TOP VIEW





MATERIAL: DUCTILE IRON GRATE MEETING H-20 LOAD RATING & CONFORMING TO ASTM A536 GRADE 70-50-05  
ALL CASTINGS ARE FURNISHED WITH BLACK PAINT AND ZINC PLATED FASTENERS  
SLOPE OF GRATE SURFACE IS 5.2%  
CURB INLET FRAME INSIDE VOLUME IS APPROX 1.76 CU FT

APPROX. DRAIN AREA OF STANDARD GRATE = 146.18 SQ IN.  
APPROX. DRAIN AREA OF STANDARD GRATE & HOOD  
LOWEST SETTING = 227.37 SQ IN  
LOWEST + 1" SETTING = 248.25 SQ IN  
LOWEST + 2" SETTING = 269.12 SQ IN  
LOWEST + 3" SETTING = 290.00 SQ IN  
HIGHEST SETTING = 310.87 SQ IN



APPROX. DRAIN AREA OF DIAGONAL GRATE = 146.70 SQ IN.  
APPROX. DRAIN AREA OF DIAGONAL GRATE & HOOD  
LOWEST SETTING = 227.89 SQ IN  
LOWEST + 1" SETTING = 248.77 SQ IN  
LOWEST + 2" SETTING = 269.64 SQ IN  
LOWEST + 3" SETTING = 290.52 SQ IN  
HIGHEST SETTING = 311.39 SQ IN